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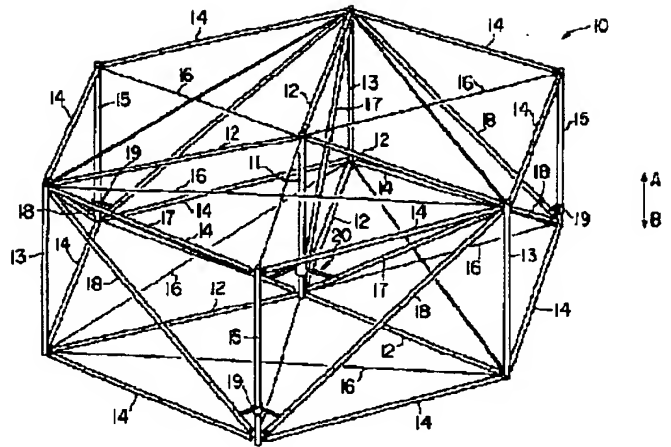
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TITLE : EXTENSION TYPE TRUSS
STRUCTURE



ABSTRACT : PURPOSE: To accelerate the lightening of an extension type truss structure, and improve the reliability of the operation control by providing a shade mechanism for turning first horizontal beam members and second vertical beam members to fold and extend them and for operating a link coupling means to drive oblique members for telescopic motion and for turning second horizontal beam members and second vertical beam members to fold and extend them.

CONSTITUTION: First vertical beam members 13 are stretched for coupling between the tips of first horizontal beam members 12. Second horizontal beam members 14 and second vertical members 15 are stretched between the first horizontal beam members 12 and the first vertical beam members 13 to form continuous squares with the first horizontal beam members 12 and the first vertical beam members 13, and a polygonal column, which consists of continuous square columns having each square as one side thereof, is formed. Wire members 16 are stretched in nearly X-shape between the diagonal lines of both sides of the square column. Furthermore, in the periphery of the square column, oblique members 17, 18, which can be extended and shrunk between the diagonal lines between one end of the first vertical beam member 13 and the other end of a center vertical beam member 11 or the other end of the second vertical beam member 15, are stretched for coupling to form a polygonal column extension type truss 10.

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